

U. S. Department of Agriculture,

STATES RELATIONS SERVICE.

FORM M-S.

FIELD DIARY  
AND  
TRAVEL RECORD.

Mr. E. A. Goldman

Sept. 18 - 28, 1920

(Official title.)

Virginia  
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8-3681

## INSTRUCTIONS.

Every officer or other employee of the Department of Agriculture conducting work while traveling will, so far as practicable, keep a diary in which will be recorded, under an appropriate date entry, a concise statement of all important matters pertaining to such work and also of any general matters that may be of interest to the Department.

This diary will be retained by the official preparing same, but will be subject to call by the administrative officers of the Department at any time.

When this book is filled another may be secured by application to the Chief of your Bureau.

D. F. Houston

*Secretary of Agriculture.*

8—3681

[illegible]

Sept. 18, 1920.

Left Washington, D.C., accompanied  
by H. B. Bertholmer at 6:20 P.M.  
on N. & W. Steamboat hot boat  
Southland for Norfolk.

Sept. 19, 1920

Arrived Norfolk about 8 a.m.,  
met by W. B. Birch, U.S. Game  
Warden. Secured information

that we can probably get to  
Dilatory via Maryland, Delaware  
and Virginia R.R. and boat  
"Potomac" leaving sometime  
afternoon for Drumpton on  
Rappahannock River. In  
afternoon a trip was made to  
Elizabeth Park a short distance  
out of Norfolk where the  
"Seap" warden Birch's boat  
was inspected. The boat is

about 37 ft. long and  
draws about  $3\frac{1}{2}$  ft. of water  
when running fast. Birch  
thinks she may draw four  
feet at slow. Her speed is  
about 8 miles maximum. The  
bo, according to Birch the  
heavy an engine, one not  
capable of giving sufficient  
power. With an engine of  
lighter more speedy type  
Birch thinks she would  
make a very satisfactory  
boat.

Sept 6 at Hotel Atlantic

Sept. 20 (Mon)

Saw Commissioner Perry  
Sept 20 in morning and  
completed arrangements for  
leaving in afternoon. Also saw

Commissioner of Game and  
Inland Fisheries, Col. Seligson  
who was most cordial and  
gave us a very favorable  
impression as a man, and  
as a constructive game  
conservationist. He described  
methods of rearing young  
quail for restocking purposes.  
This work seems to be a  
success the birds being hatched  
and brooded bybantam  
hens in specially designed units.

Left Norfolk 3 P.M. by  
"Foot Potomac" of Md. Del.  
& Va. R.R. Co. for Swanton  
on the Rappahannock. These  
boats touch first at  
Westland and then at  
other river wharves including  
Swanton and on up the

river as far as Appahannock.  
Weather clear and beautiful,  
but very stiff breeze blowing.  
Reached Drvington about  
11.30 P.M. and found lodgings  
at the Drvington Beach Hotel,

Sept. 21 (Tue.)

Drvington to Littleport.

Drvington is a village of  
perhaps 500 people scattered  
in a loose group of houses  
along and near the river.

Left Drvington at 8.24 a.m.  
by a steamer. Mr. Gitt a  
young fellow whose father  
T.H. Gitt is interested in  
menhaden - fish is an  
Chesapeake, Va. which  
operates along the coast  
and I learned from him



might be reached by  
train from Baltimore to  
Franklin City and Boat  
meeting train on to  
Chincoteague, this route  
preferred, but might also  
be reached Norfolk to Cape  
Charles, then by train to  
McKinnay (spelling?) Ark.  
and auto to Chincoteague.

Route was by a winding  
road through pretty rolling  
country across the  
neck to Chesapeake side  
across creek from Ditchley  
at foot of Davis Palmer  
Co. where we met Mr.  
Davis. This point is  
Ditchley, P.O. called Mr.  
Ben Hurst of Virginia  
Fishing Co. was with

a boat for us, we were  
soon across and met  
Mr. Hurst who courteously  
furnished information  
and arranged us to  
proceed.

On a trip  
on foot, a boat along beach  
near Ditchley. In boat  
various birds and plants gathered  
around.

Tringa, Tracks at inland  
on beach near Ditchley. State  
20.

Oryzopsis, Runways, fairly  
well marked in places, ~~and~~  
with cuttings of grass stems  
one to 3 inches in length were  
noted in the belt of  
Spartina ~~along~~ along the  
water.



Stilt Sandpiper, one of  
these birds picking  
about in soft ooze in the  
small swamp a few feet  
back from the beach. ~~It~~  
Identified by Oberholser and  
we watched its movements for  
some time. It would step in  
this way and that way with  
the legs nearly at right  
angles to the body. It  
momentarily turned its head  
or rub its legs, sometimes  
with its bill and sometimes the  
legs were rubbed together.  
Watching it step we at first  
thought the bird was lame,  
but it is apparently lame as  
~~apparent~~ <sup>permanently</sup> due to the  
difficulty of walking through

the ooze into which it sank  
near by to its nose, and

~~It~~ ~~to stick slightly~~ ~~—~~

~~Foot~~ ~~—~~ ~~and~~  
its feet were lifted with  
a <sup>slight</sup> ~~clumping~~ ~~movement~~

~~It was~~ ~~at~~ ~~the~~ ~~same~~ ~~place~~  
~~on the~~ ~~same~~ ~~one~~ ~~the~~ ~~same~~

feeding ground. were three  
less yellow legs, two or three  
solitary sandpiper, two  
pied-bill and eight small  
sandpiper that we took to  
be the semipalmated.

Arrebus vociferus. Two.  
Lesser yellow legs. Three  
Solitary Sandpiper - Two  
these.

"A. Brook Taylor came and  
running and no sandpiper.

Sept. 22 (Wed)

On Board "A Brooge Taylor"

Fish - commonly called  
"Gunkw", and to be called  
"fat backs" for their ~~scent~~  
along coast, also known as  
"menhaden" which is in very  
common name. In measurement  
a fish is estimated to contain  
22 cubic inches. At this time  
the fish are about 10 inches  
long. When caught they struggle  
for less than ~~than~~  $\frac{1}{2}$  an hour  
when they become motionless  
in the hold.

This <sup>FISH</sup> morning we were in  
the mouth of the ~~the~~  
channel not far from  
the bar. At 6 o'clock  
about 15 or 20 other fishing  
steamers are in vicinity. A

Fairly stiff breeze was blowing,  
no sun, and fishing was said  
to be poor all day. We soon  
went in a few miles and  
about 8 o'clock the order  
was given when a school of  
fin was sighted to lower  
the boats. The boats  
were lowered from davits  
carried on the after part of  
the stern and ranged  
side by side stern with  
the great net divided  
between them. The net when  
spread incloses a circular  
space about 100 yards across,  
and is about 60 ft. in width  
so that it reaches to or in-  
many places near the bottom.  
When spread it is drawn from  
the bottom, lines running through

a series of raings being  
used for this purpose.  
A school of fish is usually  
located by the dark or  
brownish appearance of the  
water at the surface near  
a particular point and  
some of the fish break  
the water ~~and~~ whip the  
surface with their tails.  
Having located a school  
it is waited a few minutes  
in order to determine how  
best to approach. If it is  
moving the direction is noted,  
also speed. It must be con-  
sidered, encircled or all or  
most of the fish will be  
likely to make their escape,  
and the net must be  
drawn early. This is difficult

when the water is rough  
or the tide running swiftly.  
One or two or a few fish  
which find the direction  
of an exit may lead off  
the entire school. The  
boat carrying the net follows  
them at first  
side by side, at the proper  
point they separate and  
circling in opposite directions  
pay out the net as fast  
as possible until they meet  
again, leaving complete the  
circle. Much like a man alone  
in a boat who goes out ahead  
to determine the direction of  
a school, standing up and  
pushing instead of pulling  
with the oars, leads to  
block the escape of the fish



By driving them toward the  
Net, when the circle has  
passed he rows across it  
and by lifting the outer  
edge of the net as  
it is drawn in prevents  
fish from backing up  
and swimming across. The  
net is gradually closed until  
the fish lie in a following  
portion, <sup>close</sup> when the net is  
The manner then swings up  
and brings them into position  
at the opposite, the open  
hold on the port side. A  
net dipper about 3 ft. in  
diameter is brought in to lay  
and the fish rapidly transferred  
to the hold where they are  
tamped and lie, a <sup>in</sup> wriggling  
mass from which <sup>the water</sup>

strong holes in the bottom  
drains out and siphoned off  
in a liability. Later by the  
Brook's T. Co. after run over  
1000000 per week and the  
two boats fishing from the  
Ditchley factory have captured  
since June 1 about 22000000.

First, Arrived at the factory  
and water carries the fish  
from the hold and drops them  
into a measuring machine  
where they are put up  
by an endless belt and  
carried at once into a  
cylinder where they are  
cooked. From the cooker  
they pass by machinery to  
a press and within a few  
minutes the fish are  
reduced and separated into  
two elements - oil and "scrap".

The oil runs into tanks where  
it is again heated and heated  
for sale and the scrap by  
a conveyor enters a great  
cylinder where it is heated  
by heat and later ground  
up and as animal food  
and fertilizer.

Fish catch for day 98000.  
as measured at factory where  
we returned about 8 P.M.

Weather clearing and  
no frost yet but  
the snow not good.

Section can. about 200 ft  
long and a good one  
of the ~~best~~ <sup>best</sup> ~~holding~~ <sup>holding</sup> a ~~fish~~ <sup>fish</sup>  
much ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~head~~ <sup>head</sup>  
The fish was ~~oil~~ <sup>oil</sup> ~~and~~ <sup>and</sup>  
the head of ~~oil~~ <sup>oil</sup> ~~and~~ <sup>and</sup>

In this position the hawk  
had difficulty in getting the  
head of the fish over the  
saw boat so that he could bite  
it, but finally succeeded  
in nipping the fish in  
the head until it appeared  
to be dead, when attempts were  
made to eat it. The boat  
was drifting at the time,  
but we soon got under  
way and the bird ~~was~~  
had considerable  
difficulty in maintaining his  
balance, when the <sup>small</sup> boat which  
was out side of (the vessel  
the hawk' finally became  
upwind and flew off. Apparently  
he dropped his fish for he  
was then forced to swim  
the surface of the water.

several hundred years away  
 as of yet. The present  
 is the only one that  
 is the only one that  
 is the only one that

On a point on the right of  
the valley, the ground was  
up above in the hills of  
the range.

Feb. 23 (Thurs)

In Saard "i Brook e Taylor".

Left Hatchery factory about  
3:00 and the morning when  
I got out on the <sup>crucible</sup> on the  
geology road in the lower  
part of the factory, Heater  
and a few.

Sunday, — a remarkable one  
 seen. It's morning when the  
 sun was still low in the  
 east and a fine mist or  
 light rain drifted over  
 the water. The sea was  
 calm. A ~~very~~ complete  
 and brilliant rainbow with  
 usual reflection appeared  
 and every elevated  
 observation point beside the  
 wharf house the bow was  
 distinctly seen to curve  
 around to points close  
 together at the ship's  
 side. The bow therefore  
 made a nearly complete  
 circle the only interruption  
 being for a narrow space  
 along the ship's side a  
 few feet below me where



it appeared faint.

Fish - First catch about  
2000 made about noon,  
my g. 1. took fish, but  
perhaps 1/2 doz. in haul  
this one included 3 singfish,  
2 butterfish, and 1 blue fish.

Last night a haul  
included two small sharks  
about 2 ft. in length. The  
net is set to windward  
of the fish plume  
as it is supposed  
to draw against the wind  
where the weather is very  
calm. One of the men told  
me that in June a small  
school of about 200 Blue  
fish was caught one  
day with the net when

just that the was very  
unusual. Last year all  
fish were more plentiful  
and this is believed to be due  
to the fact the fish got  
scarce this year. Enough food  
fishes was later according  
to my colored informant  
to make some of the men  
to occasionally take fish  
home at the end of the  
week to their families, but  
this year they have been  
much scarcer.

Next morning, all day  
... ..  
Returned to the ... ..  
boat 2000 of fish.





land and possibly escaping  
from that side. The  
fish hawk  
was flying with fish in  
lotus in lower part of  
Bay again today.

about 5 o'clock. Two  
noted about noon today.  
fish within a foot of  
me as I sat in the  
"fishy nest" aloft on the  
2. Round tower near the  
middle of the lower part of  
the Bay.

until the fishery in morning.

Sept 21 (Sat)

This morning when I got  
up about 5:30 we were  
outside near the pier - sea  
was very calm.

Fish. - Small reefs on  
surface mark a location of  
many schools of fish, but  
they appear to be small and  
not very good of fish. Finally  
several small fish were  
collected were made and I  
went out with the  
driver boatmen to use my  
camera. When we found the  
fish was very small and  
not very good but tried to get  
toward the sun and in  
the water with birds  
about. The net and fishing  
was very good.

about 4 feet in  
diameter and holds when well  
filled about 2000 fish by

Sept 25 - Night  
 Back to the river,  
 down the river to  
 Kila. July 2  
 at several miles from  
 on way to Cherrytown  
 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

Sept. 26 (Sun.)  
 Remained at the river  
 looking for fish. Spent  
 day completely empty. The  
 weather has been  
 clear and prospect returns  
 good for a trip out to the river  
 left at 11:45 AM

Sept. 27 (Mon.)  
 Went up to the river  
 to look for fish. Rain

mouth of the river  
 in the morning  
 at 11 AM. Took about 70000 lb  
 of salmon. The catch  
 which included about one  
 dozen blue fish. Big  
 fish and small fish in  
 top when raised from  
 net and water drains off  
 in a heavy cascade and  
 when dumped in hold a  
 rainbow often appears. Men  
 sing when large catches are  
 being hoisted in hold.



11/11 - Arrived at 7:30 AM - The  
 young fish were and then  
 on the  
 breeze - ruffled and by  
 little splashes where  
 they are and the  
 "Haw". Toward the  
 the bay where the  
 - no a ~~very~~ ~~small~~ ~~ones~~ - some  
 some with ~~apparently~~  
 their entire heads showing  
 as one looked down upon  
 them from the "Haw".

forming yellowish-brown masses  
of the individuals  
Habit of staying  
in the water - Boats are  
used for catching them in a

...  
... Billy &  
... water ...  
... printing or cr. ...

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D. C.

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*Nyssa aquatica*  
Sour gum

*Liquidambar styraciflua*  
Scheb gum

~~Rhus~~

*Schinus molle*

Sassafras with much petioles

*Eupatorium* - <sup>Tanacetum</sup> ~~fl.~~

*Tecoma radicans*

Trumpet fl.

*Aralia spinosa*

*Yucca*.

Bay tree

*Prunus laevis*? 3 leaves

*Juniperus virginiana*



leaves

King Jacob.

Great Blue (2)

Little Gr. (2)

~~2522~~  
2522 Maryland Ave.,  
Baltimore, Md.

Capt. J. M. George  
Palmer  
Lancaster Co.  
Va.

Capt. J. N. Wilder  
Drumington, Va.